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NOVA SCOTIA COAL RESOURCES EVALUATION PROJECT: PROGRESS AND STATUS OF COAL CHEMISTRY FILE JANUARY 1, 1984 TO DECEMBER 31, 1984

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MICROMEDIA

NOVA SCOTIA COAL RESOURCES EVALUATION PROJECT: PROGRESS AND STATUS OF COAL CHEMISTRY FILE JANUARY 1, 1984 TO DECEMBER 31, 1984

by

G.W. Bonnell*

SUMMARY

Under the Canada - Nova Scotia Development Agreement signed February 17, 1975, Canada, through the Department of Regional Economic Expansion (DREE), contributed to mineral exploration and evaluation in Nova Scotia. The second Canada - Nova Scotia Mineral Development Agreement signed December 1, 1981 calls for a continuation of that effort.

Both agreements provide in part for a Coal Resource Inventory and Evaluation in Nova Scotia referred to in this report as the Program. The program entails assessment of coal seams by drilling and drill core analysis by the laboratories of CANMET, Department of Energy Mines and Resources.

This report presents the analyses of coal samples analyzed from onshore drill sites under the inventory program by the CANMET laboratory at Sydney, Nova Scotia, for the period January 1, 1984 to December 31, 1984.

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PROJET SUR L'ÉVALUATION DES RÉSERVES DE CHARBON: RAPPORT SUR LE PROGRÈS ET L'ÉTAT DES TRAVAUX DANS LE DOSSIER SUR LA CHIMIE DU CHARBON 1er JANVIER 1984 au 31 DÉCEMBRE 1984

par

G.W. Bonnell*

SOMMAIRE

Dans le cadre des Ententes mixtes Canada-Nouvelle-Écosse sur le développement minéral signé le 17 février 1975, le Canada, par l'intermédiaire du ministère de l'Expansion économique régionale (MEER), a contribué à l'exploration et à l'évaluation des ressources minérales en Nouvelle-Écosse. Lors de la deuxième entente entre le Canada et la Nouvelle-Écosse sur le développement minéral, signée le 1er décembre 1981, on demandait que cet effort soit poursuivi.

Les deux ententes prévoyaient en partie des travaux portant sur l'inventaire et l'évaluation des réserves de charbon en Nouvelle-Écosse, on fait mention de ces travaux dans le rapport sous le nom de programme. Ce programme comprend donc une évaluation des couches de charbon au moyen d'opérations de forage et d'analyses de carottes de sondage effectués par les laboratoires de CANMET, ministère de l'Énergie, des Mines et des Ressources.

Ce rapport présente les résultats d'analyse des échantillons de charbon provenant des installations de forage à terre; ces analyses ont été effectuées dans le cadre du Programme d'inventaire au laboratoire de CANMET à Sydney en Nouvelle-Écosse, entre le 1er janvier 1984 et le 1er décembre 1984.

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INTRODUCTION

Under the Canada - Nova Scotia Development Agreement signed February 17, 1975, Canada - through the Department of Regional Economic Expansion (DREE) - contributed to mineral exploration and evaluation in Nova Scotia. The second Canada - Nova Scotia Mineral Development Agreement signed December 1, 1981, calls for a continuation of that effort.

Both Agreements provide in part for Coal Resource Inventory and Evaluation in Nova Scotia referred to in this report as the Program. The Program entails assessment of coal seams by drilling and drill core analyses by the laboratories of CANMET, Department of Energy, Mines and Resources.

Reports dealing with the coal quality evaluation under this cooperative Program have been prepared as follows.

1. Report ERP (CF) 75-2 (PRJ) - Summary and Analyses of Seam Composites (a summary of the progress and status to March 31, 1975, of the coal analytical determinations).
2. Report ERP (CF) 75-3 (PRJ) - Sorted Indexes and Coal Analyses (complete analyses of all seam intervals and composites with four index systems for retrieval of coal chemistry data).
3. Report ERP (CF) 76-36 (SP) (TR) - Analyses of all samples analyzed under this project between April 1, 1975 and March 31, 1976.
4. Report ERP/ERL (CF) 77-116 (SP) (TR) - Analyses of all samples from onshore drill sites analyzed under this project between April 1, 1976 and March 31, 1977.
5. Report ERP/ERL 78-32(TR) - Evaluation of coal quality - Part I: Analyses 1974-1977. Analyses of all onshore drill site coal samples analyzed under this project to March 31, 1977.
6. Report ERP/ERL 80-37(TR) - Analyses of all samples from onshore drill sites analyzed under this project between April 1, 1977 and December 31, 1977.
7. Report ERP/ERL 80-57(TR) - Analyses of all samples from onshore drill sites analyzed under this project between January 1, 1978 and December 31, 1978.
8. Report ERP/ERL 80-60(TR) - Analyses of all samples from onshore drill sites analyzed under this project between January 1, 1979 and December 31, 1979.

9. Report ERP/ERL 81-28(TR) - Analysis of all samples from drill sites analyzed under this project between January 1, 1980 and December 31, 1980.
10. Report ERP/CRL 82-01(CF) - Analyses from onshore drill sites analyzed under this project between January 1, 1981 and December 31, 1981.
11. Report ERP/CRL 82-02(CF) - Analyses from onshore drill sites analyzed under this project between January 1, 1982 and December 31, 1982.
12. Report ERP/CRL 84-06(TR) - Analyses from onshore drill sites analyzed under this project between January 1, 1983 and December 31, 1983.

This report presents the analyses of coal samples analyzed from onshore drill sites under the inventory program by the CANMET laboratory at Sydney, Nova Scotia, for the period January 1, 1984 to December 31, 1984. Analyses were performed by G.R. Corbett, D.A. Young and G.W. Bonnell.

For the purpose of reporting seam identification and for data storage manipulation an Acquisition Number has been assigned to each seam intersected in a test hole. The Acquisition Numbers have been grouped arbitrarily in series according to coal occurrence areas or districts. These series, according to areas that have been examined under the program from 1975-1984, are shown in Table 1. Other areas included in the program in the future, will be likewise serialized as the coal analyses are recorded and reported.

Table 2 presents the Acquisition Numbers assigned to each seam intersection together with available site information for each borehole included in the present Report of Analyses. The coordinate system used for Westville, Glace Bay, St. Rose and Springhill District samples is the 3° Modified Transverse Mercator NAD-27 (MTM) expressed in meters; that used for the Salt Springs District samples is the 6° Revised Universal Transverse Mercator (6° Revised UTM) expressed in meters.

Tables 3 and 4 present the analyses of composite seam samples and split tube composite samples.

Tables 5 to 7 present the analyses by district (or area) of the seam intervals samples (seam sections) in ascending order of Acquisition Number (Acquisition Number located at the right hand side of the page.)

Table 8 shows the total number of samples and the analyses conducted under this program during 1984.

SUMMARY OF PROGRESS AND STATUS OF COAL ANALYSES, 1984

From January 1, 1984, to December 31, the coal samples originated from the following areas and sites:

Pictou County

Westville District 1 site (21 channel sample)

Inverness County

St. Rose District 3 sites (23 drill core samples)

Cumberland County

Salt Spring District 3 sites (14 drill core samples)

At the Sydney laboratory the coal samples were crushed and pulverized, and subsamples and composite samples were prepared to allow the various planned analyses by the Cape Breton Coal Research Laboratory.

Included in this report are the analysis results for three composite samples for the above Pictou County channel samples. Also included are 11 composite samples from 1983. One composite was prepared from samples taken from two holes (GB-56 and GB-58) in Cape Breton County - Glace Bay District and was analyzed by Energy Research Laboratories in Ottawa. The other ten samples were prepared from split tube samples from the Springhill Coal Refuse Dump in Cumberland County - Springhill District.

It should be noted that two of the seam intersections from Salt Springs District were given the wrong sample designation. Instead of SH96 and SH98 these samples should have been designated as SS... samples. They were not corrected in this report so as to be consistent with the Nova Scotia Department of Mines and Energy's records.

A total of 72 samples were analyzed for a total of 526 data items.

Table 1 - Acquisition numbers for the various coal districts: 1975 - 1983 (for analytical records)

Albion District	100-199
Westville District	200-299
Debert District	300-399
Kemptown District	400-499
Maccan District	500-599
Salt Springs District	600-699
Styles Brook District	700-799
Chimney Corner District	800-899
Port Hood District	900-999
Springhill District	1000-1099
Thorburn District	1100-1199
Glace Bay District	1200-1299
New Waterford District	1300-1399
Port Morien District	1400-1499
Joggins-River Hebert District	1500-1599
St. Rose District	1600-1699
Sydney Mines District	1700-1799
Springhill District (cont'd from 1099)	1800-1899

Table 2 - Acquisition number and site information, 1984

Acquisition No.	Hole No.	3°MTM Projection (m) Coordinates N	E	Seam	Depth Interval	Elevation (m)
		McRury Seam Composite - Glace Bay District PE-1323-83				
1258	DDNS-GB-56	5,116,209.50	427,924.67	McRury	20.16 m - 21.23 m	28.3
1261	DDNS-GB-58	5,116,376.59	427,232.14	McRury	37.10 m - 38.18 m	3.8
		Acadia Seam Composite - Westville District PE-136-84				
213	AP-84-Channel	5,045,481.0	210,785.0	Acadia	0 cm - 200 cm	-
		Acadia Seam Composite - Westville District PE-137-84				
213	AP-84-Channel	5,045,481.0	210,785.0	Acadia	216 cm - 435 cm	-
		Acadia Seam Composite - Westville District PE-138-84				
213	AP-84-Channel	5,045,481.0	210,785.0	Acadia	0 cm - 435 cm	-
		Pictou County - Westville District (channel samples)				
213	AP-84-Channel	5,045,481.0	210,785.0	Acadia	0 cm - 435 cm	-
		Inverness County - St. Rose District (1600 series)				
1605	DDNS-SR-7A	5,133,112.4	328,012.0	No. 5	213.79 m - 215.62 m	60.9
1606	DDNS-SR-9	5,132,893.4	327,969.9	No. 5	150.15 m - 152.03 m	41.6
1607	DDNS-SR-12	5,134,005.6	328,526.5	No. 5	252.00 m - 254.30 m	36.6

Acquisition No.	Hole No.	6° Revised UTM Projection (m) Coordinates N	E	Seam	Depth Interval	Elevation (m)
		Cumberland County - Salt Springs District (600 series)				
608	DDNS-SH96	5,058,803.1	420,218.7	Sandrun	146.29 m - 146.70 m	56.5
609	DDNS-SH98	5,058,846.3	420,898.85	Sandrun	99.83 m - 100.90 m	46.7
610	DDNS-SS8	5,059,072.57	421,406.85	Sandrun	133.34 m - 135.60 m	53.5

Table 2 (cont'd)

Acquisition No.	Hole No.	3°MTM Projection (m) Coordinates N	E	Seam	Depth Interval (m)	Elevation (m)
		Split Tube Samples - Springhill Coal Refuse Dump				
	SD-83-1	5,054,836.84	416,331.04		0 - 10.05	148.10
	SD-83-2	5,054,742.28	416,359.72		0 - 6.70	146.87
	SD-83-3	5,054,794.39	416,270.15		0 - 12.73	147.57
	SD-83-4	5,054,807.39	416,458.34		0 - 6.70	150.07
	SD-83-5	5,054,872.14	416,443.15		0 - 6.68	149.07
	SD-83-6	5,054,922.74	416,377.68		0 - 7.37	146.58
	SD-83-7	5,054,943.95	416,462.37		0 - 6.70	148.78
	SD-83-8	5,054,897.13	416,505.75		0 - 6.70	150.25
	SD-83-9	5,055,000.83	416,555.22		0 - 5.36	149.98
	SD-83-10	5,054,762.45	416,434.18		0 - 8.71	150.04

Table 3 - Analyses of composite seam samples

Acquisition No.		1258, 1261	213	213	213
Hole No.		GB-56, GB-58	AP-84	AP-84	AP-84
Seam		McRury	Acadia	Acadia	Acadia
Depth Interval (cm)		Composite	0 - 200	216 - 435	0 - 435
Laboratory No.		PE-1323-83	PE-136-84	PE-137-84	PE-138-84
Classification by rank (ASTM)		hvAb	hvAb	hvAb	hvAb
Proximate analysis (A/R)					
Moisture	%	1.84	2.60	2.51	2.43
Ash	%	12.04	18.51	19.30	22.47
Volatile matter	%	33.90	25.48	25.47	24.92
Fixed carbon	%	52.22	53.41	52.72	50.18
Ultimate analysis (A/R)					
Carbon	%	68.67			
Hydrogen	%	4.51			
Nitrogen	%	1.45			
Oxygen	%	3.76			
Sulphur	%	7.73	3.13	3.08	3.47
Sulphur forms					
Pyritic	%	7.06			
Sulphate	%	0.19			
Organic	%	0.48			
Heating value (A/R)	BTU/lb (MJ/kg)	12,809 (29.79)	11,558 (26.88)	11,145 (25.92)	10,966 (25.51)
Free swelling index		7	2 1/2	2	1 1/2
Trace mercury	ppm	0.36			
Grindability index		63			
True specific gravity	g/ml		1.48	1.485	1.52
Ash fusibility (reducing)					
IDT	°C	1102			
ST	°C	1118			
HT	°C	1143			
FT	°C	1207			

Analysis of Ash %:	SiO_2	Al_2O_3	Fe_2O_3	Mn_3O_4	TiO_2	P_2O_5	CaO	MgO	SO_3	Na_2O	K_2O	SrO	BaO	LOF
PE-1323-83	13.32	7.66	72.10	-	0.35	0.09	1.58	-	2.61	0.09	0.63	0.01	0.07	0.84

Table 4 - Analyses of composite samples

Laboratory No.	Hole No.	Depth interval m	Moisture %	Ash %	Volatile matter %	Fixed carbon %	Sulphur %	Calorific value BTU/lb	FSI	Sp.Gr.
Springhill Dump, Split Tube Composite										
PE-8-84	SD-83-1	0.00 - 10.05	2.97	60.89	16.26	19.88				2.18
PE-9-84	SD-83-2	0.00 - 6.70	2.84	71.24	14.22	11.70				2.375
PE-10-84	SD-83-3	0.00 - 12.73	2.27	60.14	15.14	22.45				2.145
PE-11-84	SD-83-4	0.00 - 6.70	2.72	66.94	14.98	15.36				2.26
PE-12-84	SD-83-5	0.00 - 6.68	2.80	54.87	19.00	23.33				2.03
PE-13-84	SD-83-6	0.00 - 7.37	2.36	59.67	16.30	21.67				2.15
PE-14-84	SD-83-7	0.00 - 6.70	2.03	76.19	12.26	9.52				2.425
PE-15-84	SD-83-8	0.00 - 6.70	3.11	62.54	14.68	19.67				2.255
PE-16-84	SD-83-9	0.00 - 5.36	1.60	82.41	9.59	6.40				2.52
PE-17-84	SD-83-10	0.00 - 8.71	2.13	63.79	16.58	17.50				2.17

Table 5 - Analyses of seam sections - Pictou County - Westville District

Laboratory No.	DDNS No.	Depth interval cm	Moisture %	Ash %	Volatile matter %	Fixed carbon %	Sulphur %	Heating value BTU/lb	Heating value MJ/kg	FSI	Sp.Gr.
Acadia Pit-Channel Acadia Seam							Acq. No. 213				
PE-115-84	AP-84-1	0 - 20	2.44	21.84	24.45	51.27	2.54	11,144	25.92	2 1/2	
PE-116-84	AP-84-2	20 - 29	2.58	15.24	26.73	55.45	2.50	12,152	28.27	7 1/2	
PE-117-84	AP-84-3	29 - 38	4.77	24.81	19.96	50.46	12.20	10,053	23.38	1	
PE-118-84	AP-84-4	38 - 47	2.10	19.24	28.74	49.92	2.54	11,729	27.28	6 1/2	
PE-119-84	AP-84-5	47 - 50	2.82	57.58	16.64	22.96	1.67	5,272	12.26	1	
PE-120-84	AP-84-6	50 - 64	2.65	16.22	27.74	53.39	3.91	11,980	27.87	7 1/2	
PE-121-84	AP-84-7	64 - 100	2.75	16.99	26.10	54.16	2.30	11,149	25.93	6 1/2	
PE-122-84	AP-84-8	100 - 104	3.18	16.62	26.64	53.56	1.72	11,863	27.59	7 1/2	
PE-123-84	AP-84-9	104 - 118	2.94	20.05	24.77	52.24	1.73	11,309	26.30	3 1/2	
PE-124-84	AP-84-10	118 - 123	11.26	11.32	18.13	59.29	4.12	11,730	27.28	1	
PE-125-84	AP-84-11	123 - 155	3.09	20.35	25.46	51.10	3.27	11,221	26.10	4 1/2	
PE-126-84	AP-84-12	155 - 186	3.20	11.13	27.64	58.03	1.59	12,713	29.57	7	
PE-127-84	AP-84-13	186 - 200	3.11	21.42	25.25	50.22	1.81	11,105	25.83	2	
PE-128-84	AP-84-14	200 - 216	3.96	49.76	18.05	28.23	5.29	5,647	13.13	1	
PE-129-84	AP-84-15	216 - 243	2.30	21.67	26.10	49.93	4.11	11,217	26.09	6	
PE-130-84	AP-84-16	243 - 286	2.46	11.64	28.01	57.89	1.52	12,862	29.92	6 1/2	
PE-131-84	AP-84-17	286 - 318	2.62	13.31	27.72	56.35	2.38	12,458	28.98	5	
PE-132-84	AP-84-18	318 - 350	3.05	16.05	26.89	54.01	2.47	12,005	27.92	3	
PE-133-84	AP-84-19	350 - 382	2.34	21.52	24.93	51.21	1.53	11,256	26.18	2	
PE-134-84	AP-84-20	382 - 413	2.71	16.62	27.18	53.49	2.10	12,062	28.06	5	
PE-135-84	AP-84-21	413 - 435	2.05	21.52	25.85	49.58	6.19	11,262	26.20	3 1/2	

Table 6 - Analyses of seam sections - Inverness County - St. Rose District

Laboratory No.	DDNS No.	Depth interval cm	Moisture %	Ash %	Volatile matter %	Fixed carbon %	Sulphur %	Heating value BTU/lb	Heating value MJ/kg	FSI	Sp.Gr.
Hole No. DDNS-SR-7A No. 5 Seam							Acq. No. 1605				
PE-91-84	CB-84-1	213.79 - 213.99	3.81	14.52	35.87	45.80	6.26	11,480	26.71	1	
PE-92-84	CB-84-2	213.99 - 214.19	4.42	5.08	36.93	53.57	5.39	12,736	29.62	2 1/2	
PE-93-84	CB-84-3	214.19 - 214.51	4.66	6.66	38.54	50.14	5.68	12,389	28.82	2 1/2	
PE-94-84	CB-84-4	214.51 - 214.86	4.24	7.71	36.46	51.59	6.71	12,314	28.64	1	
PE-95-84	CB-84-5	214.86 - 215.09	4.55	5.45	37.82	52.18	5.43	12,588	29.28	3	
PE-96-84	CB-84-6	215.09 - 215.19	4.20	8.68	34.32	52.80	5.02	12,146	28.25	1	
PE-97-84	CB-84-7	215.19 - 215.44	4.49	8.07	36.64	50.80	5.46	12,241	28.47	1 1/2	
PE-98-84	CB-84-8	215.44 - 215.62	4.06	13.17	35.71	47.06	5.79	11,586	26.95	1	
Hole No. DDNS-SR-9 No. 5 Seam							Acq. No. 1606				
PE-139-84	CB-84-9	150.15 - 150.50	4.13	12.60	35.09	48.18	7.40	11,593	26.97	1	
PE-140-84	CB-84-10	150.50 - 150.75	5.05	3.93	37.19	53.83	5.12	12,694	29.53	3	
PE-141-84	CB-84-11	150.75 - 151.00	5.09	4.60	37.13	53.18	5.56	12,638	29.40	2 1/2	
PE-142-84	CB-84-12	151.00 - 151.25	4.97	7.52	34.86	52.65	6.58	12,168	28.30	1	
PE-143-84	CB-84-13	151.25 - 151.50	5.01	5.52	35.40	54.07	5.50	12,416	28.88	1 1/2	
PE-144-84	CB-84-14	151.50 - 151.75	4.84	8.21	35.40	51.55	4.45	12,270	28.54	1 1/2	
PE-145-84	CB-84-15	151.75 - 152.03	4.56	9.60	35.90	49.94	5.94	11,998	27.91	1	
Hole No. DDNS-SR-12 No. 5 Seam							Acq. No. 1607				
PE-468-84	CB-84-20	252.00 - 252.36	4.73	23.36	29.55	42.36	10.33	9,967	23.18	1	
PE-469-84	CB-84-21	252.36 - 252.66	5.50	7.91	34.50	52.09	6.26	12,355	28.74	3	
PE-470-84	CB-84-22	252.66 - 252.96	5.79	8.85	33.78	51.58	6.94	12,016	27.95	2	
PE-471-84	CB-84-23	252.96 - 253.26	5.36	6.11	33.95	54.58	5.26	12,596	29.30	1 1/2	
PE-472-84	CB-84-24	253.26 - 253.56	4.82	8.61	35.08	51.49	6.28	12,284	28.57	1 1/2	
PE-473-84	CB-84-25	253.56 - 253.76	4.69	9.00	35.08	51.23	5.96	12,270	28.54	2	
PE-474-84	CB-84-26	254.00 - 254.10	3.78	21.88	30.71	43.63	9.40	10,305	23.97	1	
PE-475-84	CB-84-27	254.10 - 254.30	4.08	16.53	33.25	46.14	9.95	11,007	25.60	1 1/2	

Table 7 - Analyses of seam sections - Cumberland County - Salt Springs District

Laboratory No.	DDNS No.	Depth interval cm	Moisture %	Ash %	Volatile matter %	Fixed carbon %	Sulphur %	Heating value BTU/lb	Heating value MJ/kg	FSI	Sp.Gr.
Hole No. DDNS-SH96 Sandrun Seam							Acq. No. 608				
PE-390-84	SH96-1B	146.29 - 146.35	2.77	19.64	31.41	46.18	5.63	11,263	26.20	3 1/2	1.505
PE-391-84	SH96-2B	146.35 - 146.40	1.62	63.03	15.01	20.34	2.35	4,346	10.11	0	2.045
PE-392-84	SH96-3B	146.40 - 146.57	2.92	17.02	32.11	47.95	7.11	11,617	27.02	5	1.495
PE-393-84	SH96-4B	146.57 - 146.70	2.81	18.27	32.03	46.89	7.79	11,447	26.63	4 1/2	1.51
Hole No. DDNS-SH98 Sandrun Seam							Acq. No. 609				
PE-394-84	SH98-1	99.83 - 99.93	2.62	35.73	24.99	36.66	5.82	8,644	20.11	1	1.715
PE-395-84	SH98-2	99.93 - 100.26	3.02	32.59	34.52	29.87	4.54	9,131	21.24	2	1.64
PE-396-84	SH98-3	100.26 - 100.67	3.11	42.01	22.68	32.20	3.41	7,500	17.45	1/2	1.75
PE-397-84	SH98-4	100.67 - 100.90	3.63	19.08	31.12	43.17	8.16	11,083	25.78	2	1.55
Hole No. DDNS-SS8 Sandrun Seam							Acq. No. 610				
PE-398-84	SS8-1	133.34 - 133.64	3.04	26.74	27.03	43.19	5.07	9,971	23.19	1 1/2	1.59
PE-399-84	SS8-2	133.64 - 134.27	3.35	19.95	30.43	46.27	4.75	10,938	25.44	4 1/2	1.48
PE-400-84	SS8-3	134.27 - 134.48	2.58	39.82	22.55	35.05	5.00	7,857	18.28	1	1.765
PE-401-84	SS8-4	134.48 - 134.94	2.71	27.46	28.78	41.05	3.76	9,949	23.14	1 1/2	1.57
PE-402-84	SS8-5	134.94 - 135.47	3.46	19.63	31.79	45.12	10.80	10,997	25.58	4 1/2	1.58
PE-403-84	SS8-6	135.47 - 135.60	2.47	53.14	19.28	25.11	6.27	5,426	12.62	0	1.99

Table 8 - Number of samples and number of analyses

Site No.	Acq. No.	No. of samples	Prox.	ADM	Sul	HV	T.Hg	C+H+N+O	FSI	GR	Ash	FPA	SF	Sp. Gr.	F-S	S.A.
AP-84-Channel	-	21	21		21	21			21							
DDNS-SR-7A	1605	8	8		8	8			8							
DDNS-SR-9	1606	7	7		7	7			7							
DDNS-SR-12	1607	8	8		8	8			8							
DDNS-SH96	602	4	4		4	4			4					4		
DDNS-SH98	603	4	4		4	4			4					4		
DDNS-SS8	604	6	6		6	6			6					6		
Composites																
McRury Composite (CB-83)		1	1		1	1	1	1	1	1	1	1	1			
Acadia Channel (AP-84)		3	3		3	3			3					3		
Springhill Dump (SD-83)		10	10											10		
Totals (Data Items)		72	72x4		62	62	1	1x4	62	1	1x12	1x4	1x3	27		
			288		62	62	1	4	62	1	12	4	3	27		